

WHAT IS CLAIMED IS:

27. A device for delivering an agent to a breast milk duct over time, said device comprising;

a unit for holding the agent to be delivered to the breast duct, said unit being sized and configured to be positioned and supported on a nipple, and

an elongated member for delivering the agent from the unit to the breast duct, said elongated member being in communication within said unit and being sized for positioning within the breast duct.

28. The device to claim 27 wherein said unit comprises a reservoir for holding the agent to be delivered to the elongated member

29. The device to claim 28 wherein said reservoir is sized to hold a volume of the agent in the range of from about 0.001 ml to 10 ml.

30. The device to claim 28 wherein said unit comprises a pump for delivering the agent from the reservoir to the elongated member when the elongated member is positioned within the breast duct.

31. The device of claim 30 wherein said pump is osmotic.

32. The device of claim 27 wherein said unit is capable of delivering a volume of the agent in a range from about 0.0001 ml per day to about 0.001 ml per hour.

33. The device of claim 27 wherein said unit comprises an osmotic pump for delivering the agent to the elongated member when the elongated member is positioned within the breast duct.

34. The device of claim 27 wherein said unit comprises a microchip for delivering the agent to the elongated member when the elongated member is positioned within the breast duct.

35. The device of claim 27 wherein said elongated member extends substantially perpendicular to a nipple engaging surface of the unit.

36. The device of claim 27 wherein said elongated member includes a portion for securely maintaining the elongated member within the breast duct.

37. The device of claim 36 wherein said portion of the elongated member includes a protruding member for engaging a wall of the breast duct.

38. A device for delivering an agent to a breast milk duct, said device comprising:

a unit for holding the agent to be delivered to the breast duct, said unit being sized and configured for residing on a nipple surface, and

an elongated member for delivering the agent from the unit to the breast duct, said elongated member being in communication with said unit, sized for positioning within the breast duct and having a retaining member for holding the elongated member in the breast duct.

39. The device of claim 38 wherein said device includes an outer boundary that is shaped and configured for being fully supported on a nipple.

40. The device to claim 38 wherein said unit comprises a reservoir for holding the agent to be delivered to the elongated member

41. The device according to claim 40 wherein said reservoir is sized to hold a volume of the agent in the range of from about 0.001 ml to 10 ml.

42. The device to claim 41 wherein said unit comprises a pump for delivering the agent from the reservoir to the elongated member when the elongated member is positioned within the breast duct.

43. The device of claim 42 wherein said pump is osmotic.

44. The device of claim 38 wherein said unit is capable of delivering a volume of the agent in a range from about 0.0001 ml per day to about 0.001 ml per hour.

45. The device of claim 38 wherein said unit comprises an osmotic pump for delivering the agent to the elongated member when the elongated member is positioned within the breast duct.

46. The device of claim 38 wherein said unit comprises a microchip for delivering the agent to the elongated member when the elongated member is positioned within the breast duct.

47. The device of claim 38 wherein said elongated member extends substantially perpendicular to a nipple engaging surface of the unit.

48. The device of claim 38 wherein said remaining member includes a protrusion for engaging a wall of the breast duct.

49. A device for delivering an agent to a breast milk duct over time, said device comprising:

an indwelling unit for holding the agent to be delivered to the breast duct, said indwelling unit being sized and configured for being positioned and maintained within a portion of a breast duct, and

an elongated member extending from said unit, wherein said elongated member can be positioned to extend out of said breast duct when said indwelling unit is positioned within the breast duct.

50. The device of claim 49 wherein said elongated member includes a tether that provides retrieval of the indwelling unit from within the breast duct.

51. The device of claim 49 wherein said unit includes a reservoir and said elongated member includes a lumen for delivering fluid to said reservoir when said reservoir is positioned within the breast duct.

52. The device of claim 49 wherein said elongated member includes an internal lumen for delivering a fluid to the indwelling unit.

53. The device according to claim 49 wherein said indwelling unit comprises a reservoir for holding the agent to be delivered to the breast duct.

54. The device of claim 53 wherein said reservoir is sized to hold a volume of the agent in the range of from about 0.001 ml to 10 ml.

55. The device of claim 54 wherein said indwelling unit comprises a pump for delivering the agent from the reservoir to the breast duct.

56. The device of claim 55 wherein said pump is osmotic.

57. The device of claim 49 wherein said indwelling unit is capable of delivering a volume of the agent in a range from about 0.0001 ml per day to about 0.001 ml per hour.

58. The device of claim 49 wherein said indwelling unit comprises an osmotic pump for delivering the agent to the breast duct when the indwelling unit is located within the breast duct.

59. The device of claim 49 wherein said indwelling unit comprises a microchip for delivering the agent to the breast duct when the indwelling unit is positioned within the breast duct.

60. A device for delivering an agent to a breast milk duct over time, said device comprising:

an indwelling unit for holding the agent to be delivered to the breast duct, said unit including a microchip and being sized and configured to be positioned and supported within a breast duct, and

an elongated member secured to the indwelling unit, wherein said elongated member extends out of the breast when the indwelling unit is positioned within the breast duct.